



Northern Wisconsin

2019 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter,%	2.3	1.9	22.3 <small>(<1.0)</small>	38.5 <small>(1.0-2.5)</small>	34.4 <small>(2.5-5.0)</small>	3.1 <small>(5.0-7.0)</small>	1.7 <small>(7.0+)</small>
Phosphorus (P1), ppm	90	76	6.0 <small>(<10)</small>	0.2 <small>(10-20)</small>	16.9 <small>(20-30)</small>	6.6 <small>(30-50)</small>	58.8 <small>(50+)</small>
Phosphorus (P2), ppm	78	80	28.6 <small>(<14)</small>	19.0 <small>(14-29)</small>	9.5 <small>(29-44)</small>	4.8 <small>(44-74)</small>	38.1 <small>(74+)</small>
Potassium (K), ppm	119	61					
K, % Base Saturation	3.7	2.7	4.8 <small>(<1.07)</small>	11.3 <small>(1.07-2.11)</small>	44.0 <small>(2.12-4.22)</small>	30.3 <small>(4.23-6.33)</small>	10.4 <small>(>6.33)</small>
Magnesium (Mg), ppm	180	170					
Mg, % Base Saturation	18.9	7.2	0.1 <small>(<5)</small>	3.1 <small>(5-10)</small>	11.9 <small>(10-15)</small>	28.5 <small>(15-25)</small>	56.4 <small>(25+)</small>
Calcium (Ca), ppm	748	492					
Ca, % Base Saturation	67.4	9.9	4.2 <small>(<45)</small>	7.1 <small>(45-55)</small>	75.9 <small>(55-75)</small>	10.0 <small>(75-85)</small>	2.8 <small>(85+)</small>
pH (1:1)	6.6	0.8	4.9 <small>(<5.1)</small>	10.6 <small>(5.1-5.8)</small>	46.4 <small>(5.9-6.9)</small>	28.1 <small>(7.0-7.5)</small>	10.0 <small>(>7.5)</small>
CEC, meq/100g	9.1	3.2	18.0 <small>(<3.1)</small>	62.0 <small>(3.1-8.0)</small>	16.1 <small>(8.1-15.0)</small>	3.6 <small>(15.1-25.0)</small>	0.2 <small>(>25.0)</small>
Sulfur (S), ppm	8	11.1	12.1 <small>(<4)</small>	47.0 <small>(4-7)</small>	31.4 <small>(8-12)</small>	7.0 <small>(13-17)</small>	2.6 <small>(>17)</small>
Zinc (Zn), ppm	6.4	6.4	0.2 <small>(<1.0)</small>	41.6 <small>(1.1-2.9)</small>	16.5 <small>(3.0-4.9)</small>	17.4 <small>(5.0-10.0)</small>	24.2 <small>(>10.0)</small>
Manganese (Mn), ppm	30	25	28.9 <small>(<6)</small>	9.0 <small>(6-14)</small>	8.1 <small>(15-19)</small>	29.4 <small>(20-49)</small>	24.5 <small>(>49)</small>
Iron (Fe), ppm	46	28		3.8 <small>(<5)</small>	2.5 <small>(5-9)</small>	58.3 <small>(10-50)</small>	35.4 <small>(>50)</small>
Copper (Cu), ppm	1.9	2.6		4.5 <small>(<0.4)</small>	43.2 <small>(0.4-1.1)</small>	34.6 <small>(1.2-3.0)</small>	17.7 <small>(>3.0)</small>
Boron (B), ppm	0.4	0.5	69.9 <small>(<0.4)</small>	12.0 <small>(0.4-0.5)</small>	14.1 <small>(0.6-1.2)</small>	3.0 <small>(1.3-2.5)</small>	0.9 <small>(>2.5)</small>
Nitrate (NO ₃ -N), ppm	74.9	52.4	33.3 <small>(<5)</small>				66.7 <small>(>39)</small>
Ammonium (NH ₄ -N), ppm	10.9	6.4		50.0 <small>(5-9)</small>		50.0 <small>(10-19)</small>	